

What is claimed is:

1 1. A critical care workstation, comprising:
2 a display device;
3 a processor, coupled to the display device, executing:
4 a general purpose operating system, controlling
5 execution of a selected non-real-time application pro-
6 gram for displaying images representing non-real-time
7 data on the display device; and
8 a real-time kernel, controlling execution of a
9 process for displaying images representing real-time
10 data on the display device simultaneously with the
11 display of the non-real-time data; and
12 circuitry, responsive to user input, for selecting the non-
13 real-time display program from among a plurality of available
14 non-real-time display programs.

1 2. The workstation of claim 1 wherein the general purpose
2 operating system executes simultaneous with and independent from
3 the real-time kernel.

1 3. The workstation of claim 1 further comprising a stor-
2 age device, coupled to the processor, wherein the plurality of
3 available non-real-time application programs are stored on the
4 storage device and the general purpose operating system selects
5 one of the stored plurality of non-real-time application pro-
6 grams in response to the user input.

1 4. The workstation of claim 3 wherein the storage device
2 stores code and data representing the non-real-time application
3 program and the processor retrieves the stored code and data

4 representing the selected non-real-time application and controls
5 the execution of the retrieved code and data.

1 5. The workstation of claim 1 further comprising a con-
2 nection to a network comprising a server capable of storing the
3 plurality of non-real-time application programs and the general
4 purpose operating system selects one of the stored plurality of
5 non-real-time application programs in response to the user in-
6 put.

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1 6. The workstation of claim 5 wherein the server stores
2 code and data representing the non-real-time application program
3 and the processor retrieves the stored code and data represent-
4 ing the selected non-real-time application and controls the exe-
5 cution of the retrieved code and data.

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1 7. The workstation of claim 1, wherein the real-time data
2 is physiological data.